

**EW-7438RPn**

# Guía rápida de instalación

06-2012 / v1.2

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The product you have purchased and the setup screen may appear slightly different from those shown in this QIG. For more information about this product, please refer to the user manual on the CD-ROM. The software and specifications are subject to change without notice. Please visit our website [www.edimax.com](http://www.edimax.com) for updates. All brand and product names mentioned in this manual are trademarks and/or registered trademarks of their respective holders.

### **Edimax Technology Co., Ltd.**

Add: No. 3, Wu-Chuan 3rd Rd., Wu-Ku Industrial Park, New Taipei City, Taiwan

Tel: +886-2-77396888

Email: [sales@edimax.com.tw](mailto:sales@edimax.com.tw)

### **Notice According to GNU General Public License Version 2**

This product includes software that is subject to the GNU General Public License version 2. The program is free software and distributed without any warranty of the author. We offer, valid for at least three years, to give you, for a charge no more than the costs of physically performing source distribution, a complete machine-readable copy of the corresponding source code.

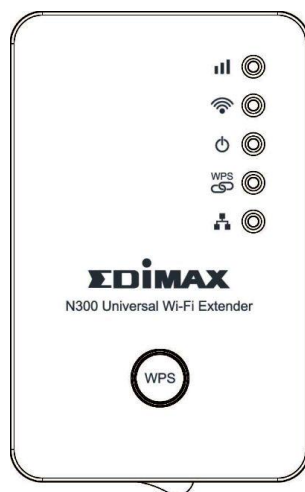
## PRESENTACIÓN DEL PRODUCTO

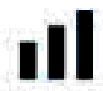
### Contenido del paquete





Antes de empezar a utilizar este producto, por favor, compruebe si faltan algunos de los elementos del paquete y póngase en contacto con su vendedor para reclamarle las piezas que falten:

- 1 extensor Wi-Fi
- 1 cable Ethernet
- 1 guía rápida de instalación
- 1 CD con manual de usuario y guía rápida de instalación multilingüe

### Indicadores LED



Nombre de la LED		Estado de la LED	Descripción
	Fuerza de la señal	Encendido	Recepción excelente de la señal (Fuerza de señal 50-100%)
		Parpadea	Buena recepción de la señal (Fuerza de señal 25-50%)
		Parpadeo rápido	Mala recepción de la señal (Fuerza de señal < 25%)
		Apagado	No se detecta la señal, desconectado o en modo de apagado de LED

	Wi-Fi	Parpadea	Transmisión de datos
		Apagado	Wi-Fi no activada o en modo de apagado de LED
	Alimentación	Encendido	Dispositivo encendido y correctamente alimentado
		Parpadea	Reinicio de la configuración de fábrica
		Apagado	Dispositivo no alimentado, no alimentado correctamente o en modo de apagado de LED
	WPS	Encendido	Conexión WPS establecida
		Parpadea	WPS en curso (esperando otra conexión del dispositivo WPS)
		Parpadeo rápido	Error WPS
		Apagado	No se ha establecido la conexión WPS o está en modo de apagado de LED
	LAN	Encendido	Puerto LAN conectado
		Parpadea	Actividad del LAN (transmisión de datos)
		Apagado	Puerto LAN no conectado



## INICIACIÓN

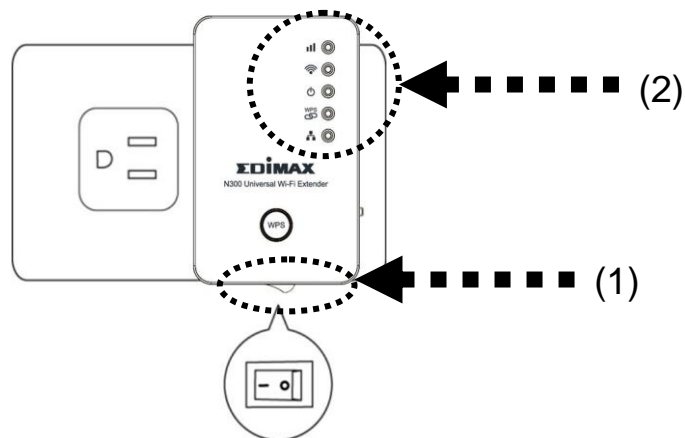
Le recomendamos que fije primeramente este extensor junto al punto de acceso inalámbrico de raíz, y a continuación, lo mueva hacia otra ubicación para facilitar una buena extensión Wi-Fi.


### Sección A: Configuración del extensor Wi-Fi con el botón WPS

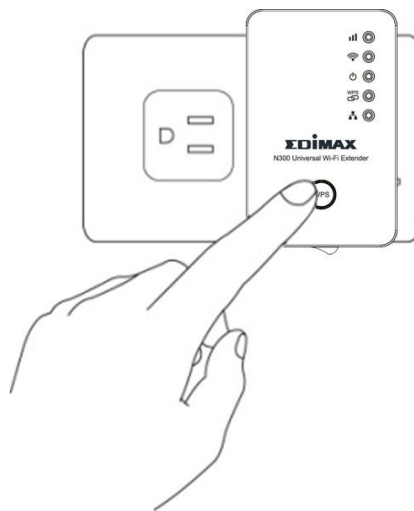


**Nota:** Si el punto de acceso inalámbrico de la raíz no tiene un botón WPS o si no se puede establecer una conexión WPS correctamente, por favor refiérase a la **Sección B: Configuración del extensor Wi-Fi con un ordenador**

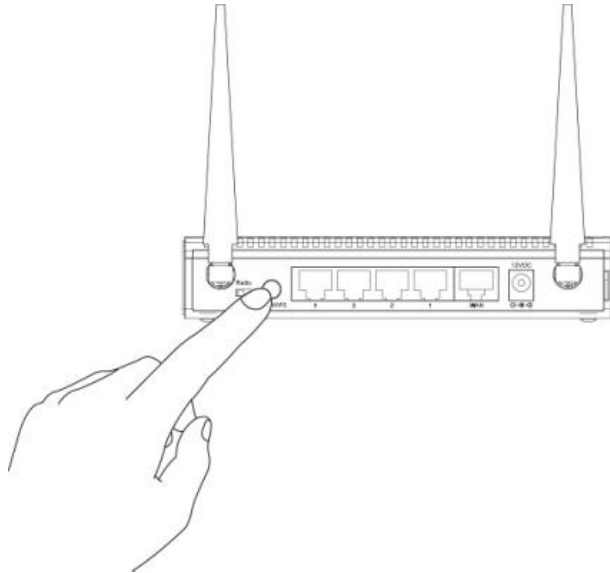
1. Conecte el extensor Wi-Fi en un enchufe de alimentación junto al punto de acceso inalámbrico de raíz y enciéndalo (1). El extensor se inicializará automáticamente. En varios segundos, la LED de Encendido (  ) se encenderá. Unos 30 segundos más tarde, la LED Wi-Fi (  ) empezará a parpadear rápidamente y de forma irregular (2). Esto indica que la inicialización ha completado. No siga con la etapa 2 hasta que haya cumplido con estas condiciones.






2. Pulse y mantenga pulsado el botón WPS del extensor durante 2 segundos, hasta que la LED WPS (  ) empiece a pestañear.




3. Pulse el botón WPS del punto de acceso inalámbrico de raíz en 2 minutos para establecer la conexión. La cantidad de tiempo durante el cual tendrá que mantener pulsado el botón variará entre los distintos enrutadores, ya que algunos funcionará con una pulsación rápida, mientras que en otros deberá pulsar el botón durante 2 segundos o más.





**Nota:** Algunos enrutadores inalámbricos podrán **reiniciarse** si el botón WPS se pulsa durante demasiado tiempo. Para evitar un reinicio accidental de su enrutador, lea el manual de usuario de su enrutador para obtener más información sobre el funcionamiento del WPS.



4. La LED WPS () iniciará una serie de parpadeos durante los siguientes 60 a 90 segundos. Cuando se ha establecido correctamente una conexión WPS, la LED WPS verde () permanecerá encendida y la LED de Fuerza de Señal () se encenderá en naranja.




**Resolución de problemas:** Si la LED WPS () sigue parpadeando en intervalos regulares de dos segundos al cabo de 30 segundos tras pulsar el botón WPS en el punto de acceso, esto significa que el extensor Wi-Fi no detectó la señal WPS del punto de acceso. Por favor, regrese a la etapa 3.



Si ha registrado un error, la LED WPS () parpadeará rápidamente. Por favor, espere que la LED WPS se desactive e inténtelo de nuevo desde la etapa 1.

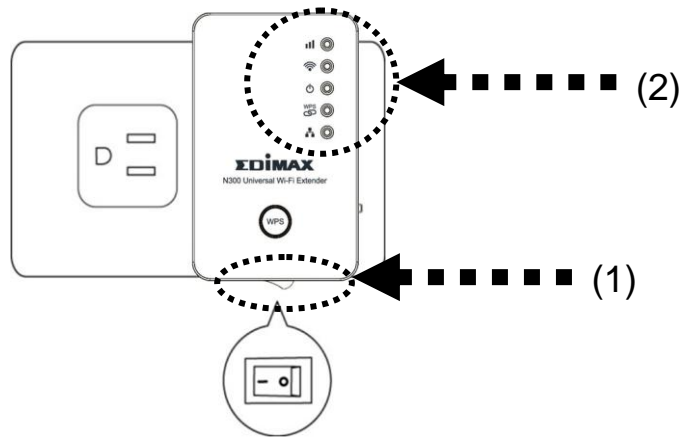
5 minutos después de haber establecido la conexión WPS, la LED WPS () se desactivará automáticamente. La conexión WPS entre el extensor y el punto de acceso inalámbrico permanecerá activa.

5. Podrá probar la conectividad del extensor Wi-Fi conectándose al mismo (seleccione su SSID desde su lista de redes inalámbricas, **no** el SSID de su punto de acceso inalámbrico raíz) e intentando abrir una página Web con su navegador.
6. Una vez que haya conectado el extensor a la red Wi-Fi existente y confirmado que funciona, podrá desplazar este extensor hacia otra ubicación para lograr una extensión Wi-Fi adecuada. Para desplazar el extensor, apague el dispositivo y desconéctelo de su toma. El extensor recordará la red Wi-Fi que se le ha asignado. Mueva el extensor hacia su nueva ubicación y conéctelo, a continuación, vuelva a encender el dispositivo de nuevo. El extensor reanudará el proceso de inicialización tras ser encendido. No podrá conectarse al extensor mientras se esté inicializando. Cuando la LED Wi-Fi verde (  ) empiece a parpadear de forma irregular y la LED de Fuerza de Señal naranja (  ) se active, el extensor estará listo para ser utilizado.

Para lograr mejores resultados, instale el extensor en un lugar en donde la LED de Fuerza de Señal (  ) permanezca encendida sin parpadear. Esto indica que el extensor está recibiendo una señal fuerte del punto de acceso inalámbrico raíz.

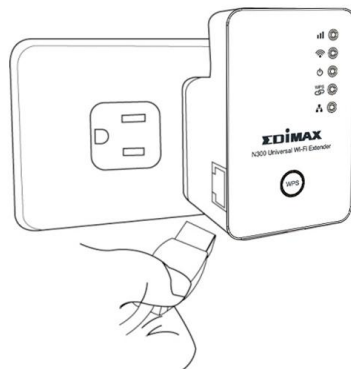
## **Sección B: Configuración del extensor Wi-Fi con un ordenador**

1. Compruebe primeramente que su ordenador es un cliente DHCP (obtiene su IP automáticamente desde un servidor DHCP). Si no está seguro, lea el Manual de Usuario incluido en el CD adjunto.
2. Conecte el extensor Wi-Fi en un enchufe de alimentación junto al punto de acceso inalámbrico de raíz y enciéndalo (1). El extensor se inicializará automáticamente. En varios segundos, la LED de Encendido (  ) se encenderá. Unos 30 segundos más tarde, la LED Wi-Fi (  ) empezará a parpadear rápidamente y de forma irregular (2). Esto indica que la inicialización ha completado. No siga con la etapa 3 hasta que haya cumplido con estas condiciones.



3. Existen dos formas de conectarse al extensor Wi-Fi. La primera es la conexión por cable, utilizando un cable Ethernet (i). La segunda consiste en conectarse de forma inalámbrica (ii).

- i. Para conectar su ordenador al extensor con un cable Ethernet, conecte un extremo del cable en el puerto Ethernet del extensor Wi-Fi. Conecte el otro extremo del cable en el puerto Ethernet de su ordenador. Proceda con la etapa 4 cuando lo haya hecho.



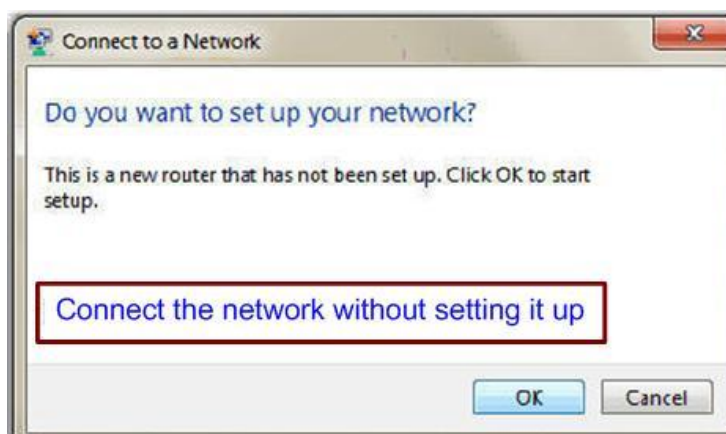
Para conectar su ordenador al extensor mediante una conexión inalámbrica, busque las redes Wi-Fi disponibles de la zona y conéctese a "extender\*\*\*\*\*", donde \*\*\*\*\* es una serie de números y letras. Por ejemplo, aquí se conectaría a "extender3a8270":







**Nota:** Si está utilizando Windows 7 y aparecer lo siguiente, pulse en “Connect the network without setting it up” (Conectarse a la red sin configurarla). No pulse "OK".



Si ha pulsado "OK" accidentalmente, verá lo siguiente. Por favor, pulse “Cancel” (Cancelar).

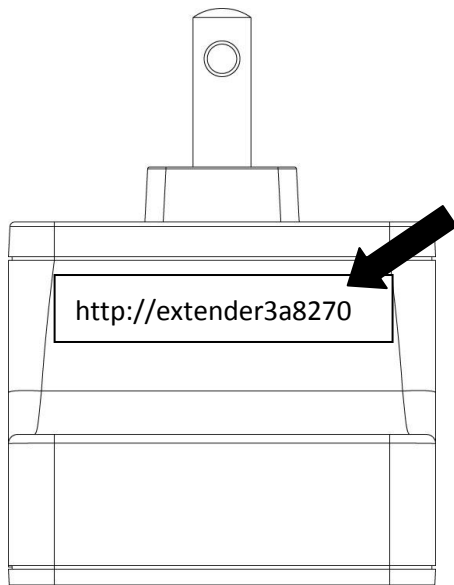


4. Ahora deberá estar conectado al extensor Wi-Fi. Existen dos formas de acceder a la interfaz de configuración Web del extensor:

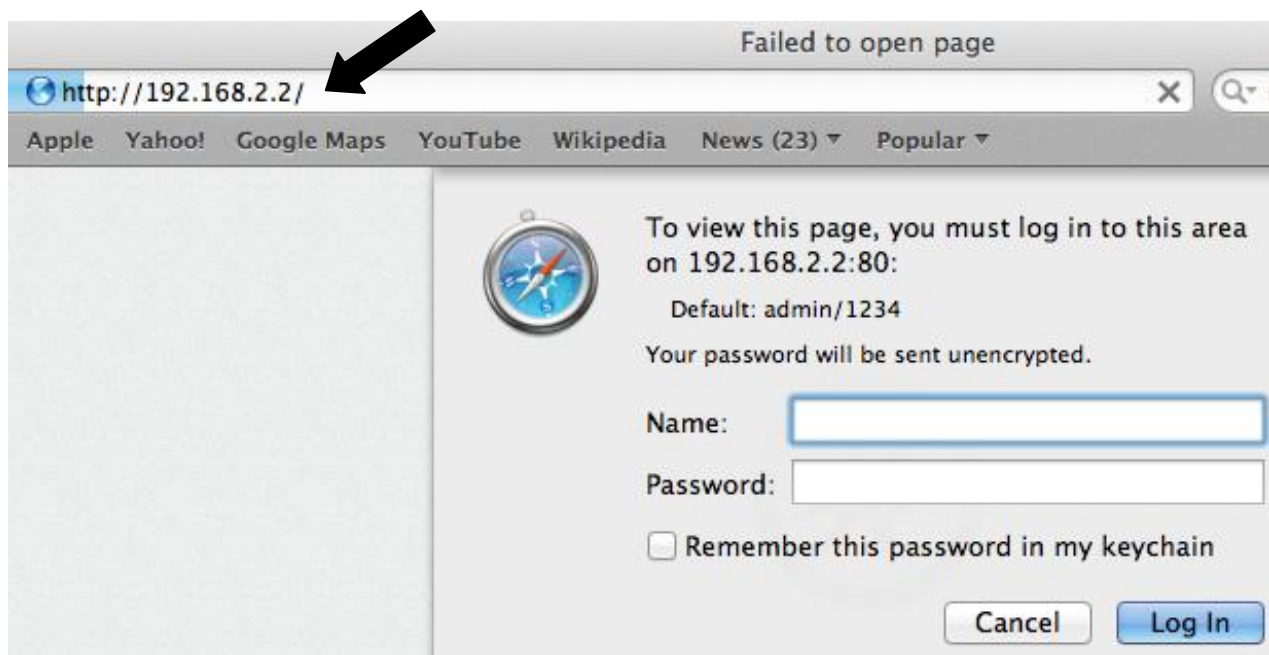
Método 1: Abra su navegador Web e indique la clave de acceso en la barra de direcciones para registrarse en la interfaz de configuración web del extensor. **(sólo para PC con Windows)**



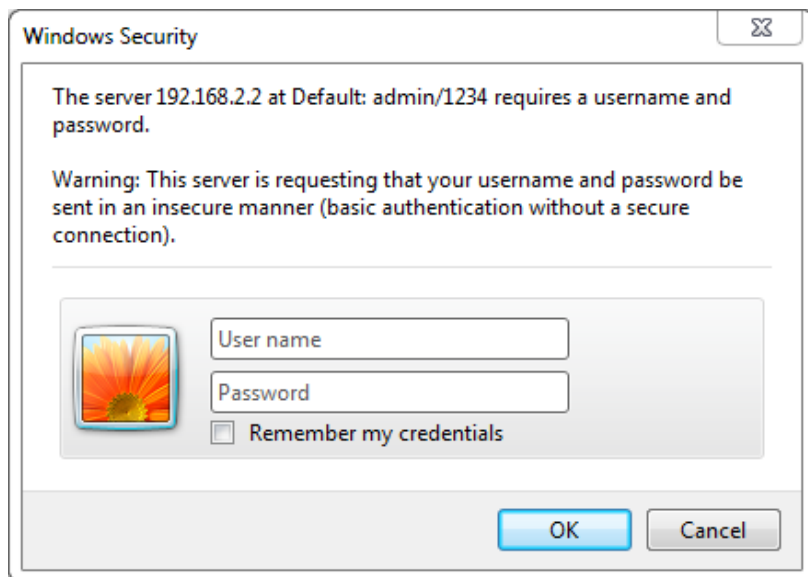
**Nota:** La clave de acceso podrá encontrarla en la tarjeta de clave de acceso de la caja y en el extensor Wi-Fi.



Método 2: Indique la dirección IP predefinida del extensor (192.168.2.2) en la barra de direcciones de su navegador. **(Windows, Macintosh y Linux)**



5. A continuación, se le pedirá que se registre. El nombre de usuario predefinido es "admin" y la contraseña predefinida es "1234". Pulse "OK" para continuar.



6. La configuración iQ empezará a detectar las redes Wi-Fi disponibles automáticamente. Todas las redes Wi-Fi detectadas aparecerán en esta lista. Seleccione aquella a la que desea conectarse.

iQ Setup				
Please connect this device to one of the following Wi-Fi networks.				
Select	SSID	Channel	Encryption	Signal
<input type="radio"/>	Edimax	11	WPA2-PSK	80



**Nota:** Si la red Wi-Fi a la que desea conectarse no aparece, pulse "Actualizar" para detectar de nuevo o intente desplazar el extensor junto al punto de acceso inalámbrico de raíz.

7. Indique la contraseña de red Wi-Fi existente en el campo "Clave" y pulse en "Siguiente" para continuar. El extensor debe tener la misma contraseña Wi-Fi que el punto de acceso inalámbrico raíz.

iQ Setup				
Please connect this device to one of the following Wi-Fi networks.				
Select	SSID	Channel	Encryption	Signal
<input checked="" type="radio"/>	Edimax	11	WPA2-PSK	80
Device SSID:		Edimax3A7E46		
Key:		12345678		



**Nota:** El extensor no podrá conectarse a la red Wi-Fi si indica la contraseña incorrecta. Si no conoce su contraseña Wi-Fi, podrá encontrarla mediante la configuración de su enrutador Wi-Fi o consultar con su administrador de red que instaló la red Wi-Fi.

8. Por defecto, el SSID del extensor es el SSID del punto de acceso raíz más los seis últimos caracteres de la clave de acceso del extensor. Podrá cambiar el SSID del extensor si lo desea. Pulse en "Siguiente" para completar la instalación.
9. El extensor Wi-Fi probará la conexión entre el dispositivo y el punto de acceso inalámbrico raíz. Si la conexión es exitosa, el mensaje "Connection Test Successfully" (Prueba de conexión exitosa) aparecerá en pantalla. Pulse "Next" (Siguiente) para guardar la configuración.  
  
Si la conexión es errónea, el mensaje "Connection Test Failed" (Prueba de conexión fallida) aparecerá en pantalla. Pulse "BACK" (Volver) para reiniciar el proceso de configuración.
10. El extensor mostrará un breve resumen del nombre del punto de acceso inalámbrico raíz, el nombre del extensor y el tipo de seguridad utilizado. Pulse en "APPLY" (Aplicar) para continuar o pulse en "BACK" (Volver) para reiniciar el proceso de configuración.

### Settings saved successfully!

Please click APPLY to restart the system and make the changes take effect.

Connected Device Name : **Edimax**

Extender Name : **Edimax3A7E46**

Security Type: **WPA-shared key**

BACK

APPLY

11. Tras pulsar "APPLY" (Aplicar), el extensor se reiniciará y guardará su configuración. Verá una página final felicitándole. Su ordenador será desconectado del extensor en este momento. Para volver a reconectar el extensor, seleccione su SSID a partir de su lista de redes Wi-Fi.

### Congratulation! Your extender is connected.

Extender Name : **Edimax3A7E46**

Security Key : **12345678**

12. Podrá probar la conectividad del extensor Wi-Fi conectándose al mismo (seleccione su SSID desde su lista de redes inalámbricas, **no** el SSID de su punto de acceso Wi-Fi raíz) e intentando abrir una página Web con su navegador.
13. Una vez que haya conectado el extensor a la red Wi-Fi existente y confirmado que funciona, podrá desplazar este extensor hacia otra ubicación para lograr una extensión Wi-Fi adecuada. Para desplazar el extensor, apague el dispositivo y desconéctelo de su toma. El extensor recordará la red Wi-Fi que se le ha asignado. Mueva el extensor hacia su nueva ubicación y conéctelo, a continuación, vuelva a encender el dispositivo de nuevo. El extensor reanudará el proceso de inicialización tras ser encendido. No podrá conectarse al extensor mientras se esté inicializando. Cuando la LED Wi-Fi verde (📶) empiece a parpadear de forma irregular y la LED de Fuerza de Señal naranja (📶) se active, el extensor estará listo para ser utilizado.

Para lograr mejores resultados, instale el extensor en un lugar en donde la LED de Fuerza de Señal (📶) permanezca encendida sin parpadear. Esto indica que está recibiendo una señal fuerte del punto de acceso inalámbrico raíz.

## Reinicio del extensor Wi-Fi

Si su extensor Wi-Fi no funciona correctamente, o si desea lanzar una configuración IQ de nuevo, pulse y mantenga pulsado el botón WPS durante 10 segundos para reiniciar el extensor y recuperar los parámetros de fábrica. La LED de Encendido (🔴) parpadeará cuando el dispositivo empiece el proceso de reinicio de los parámetros de fábrica. Cuando la LED de Encendido (🔴) permanezca encendida y la LED Wi-Fi (📶) empiece a parpadear de forma irregular, el extensor Wi-Fi habrá recuperado los parámetros de fábrica para la configuración.



**Nota:** Si suelta el botón WPS demasiado pronto, dará lugar a un comportamiento imprevisto, como un intento del extensor de iniciar la configuración WPS.

## **Federal Communication Commission Interference Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio technician for help.

### **FCC Caution**

This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.

### **Federal Communications Commission (FCC) Radiation Exposure Statement**

This equipment complies with FCC radiation exposure set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 2.5cm (1 inch) during normal operation.

### **Federal Communications Commission (FCC) RF Exposure Requirements**

SAR compliance has been established in the laptop computer(s) configurations with PCMCIA slot on the side near the center, as tested in the application for certification, and can be used in laptop computer(s) with substantially similar physical dimensions, construction, and electrical and RF characteristics. Use in other devices such as PDAs or lap pads is not authorized. This transmitter is restricted for use with the specific antenna tested in the application for certification. The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

### **R&TTE Compliance Statement**

This equipment complies with all the requirements of DIRECTIVE 1999/5/EC OF THE EUROPEAN PARLIAMENT AND THE COUNCIL of March 9, 1999 on radio equipment and telecommunication terminal equipment and the mutual recognition of their conformity (R&TTE). The R&TTE Directive repeals and replaces in the directive 98/13/EEC (Telecommunications Terminal Equipment and Satellite Earth Station Equipment) As of April 8, 2000.

### **Safety**

This equipment is designed with the utmost care for the safety of those who install and use it. However, special attention must be paid to the dangers of electric shock and static electricity when working with electrical equipment. All guidelines of this and of the computer manufacture must therefore be allowed at all times to ensure the safe use of the equipment.

### **EU Countries Intended for Use**

The ETSI version of this device is intended for home and office use in Austria, Belgium, Bulgaria, Cyprus, Czech, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Turkey, and United Kingdom. The ETSI version of this device is also authorized for use in EFTA member states: Iceland, Liechtenstein, Norway, and Switzerland.

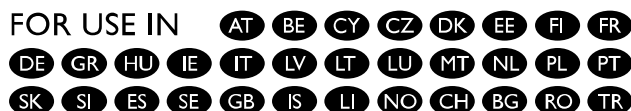
### **EU Countries Not Intended for Use**

None

## EU Declaration of Conformity

- English:** This equipment is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC, 2009/125/EC.
- French:** Cet équipement est conforme aux exigences essentielles et autres dispositions de la directive 1999/5/CE, 2009/125/CE.
- Czechian:** Toto zařízení je v souladu se základními požadavky a ostatními příslušnými ustanoveními směrnic 1999/5/ES, 2009/125/ES.
- Polish:** Urządzenie jest zgodne z ogólnymi wymaganiami oraz szczególnymi warunkami określonymi Dyrektywą UE 1999/5/EC, 2009/125/EC.
- Romanian:** Acest echipament este în conformitate cu cerințele esențiale și alte prevederi relevante ale Directivei 1999/5/CE, 2009/125/CE.
- Russian:** Это оборудование соответствует основным требованиям и положениям Директивы 1999/5/EC, 2009/125/EC.
- Magyar:** Ez a berendezés megfelel az alapvető követelményeknek és más vonatkozó irányelveknek (1999/5/EK, 2009/125/EC).
- Türkçe:** Bu cihaz 1999/5/EC, 2009/125/EC direktifleri zorunlu istekler ve diğer hükümlerle ile uyumludur.
- Ukrainian:** Обладнання відповідає вимогам і умовам директиви 1999/5/EC, 2009/125/EC.
- Slovakian:** Toto zariadenie spĺňa základné požiadavky a ďalšie príslušné ustanovenia smerníc 1999/5/ES, 2009/125/ES.
- German:** Dieses Gerät erfüllt die Voraussetzungen gemäß den Richtlinien 1999/5/EC, 2009/125/EC.
- Spanish:** El presente equipo cumple los requisitos esenciales de la Directiva 1999/5/EC, 2009/125/EC.
- Italian:** Questo apparecchio è conforme ai requisiti essenziali e alle altre disposizioni applicabili della Direttiva 1999/5/CE, 2009/125/CE.
- Dutch:** Dit apparaat voldoet aan de essentiële eisen en andere van toepassing zijnde bepalingen van richtlijn 1999/5/EC, 2009/125/EC.
- Portuguese:** Este equipamento cumpre os requisitos essenciais da Directiva 1999/5/EC, 2009/125/EC.
- Norwegian:** Dette utstyret er i samsvar med de viktigste kravene og andre relevante regler i Direktiv 1999/5/EC, 2009/125/EC.
- Swedish:** Denna utrustning är i överensstämmelse med de väsentliga kraven och övriga relevanta bestämmelser i direktiv 1999/5/EG, 2009/125/EG.
- Danish:** Dette udstyr er i overensstemmelse med de væsentligste krav og andre relevante forordninger i direktiv 1999/5/EC, 2009/125/EC.
- Finnish:** Tämä laite täyttää direktiivien 1999/5/EY, 2009/125/EY oleelliset vaatimukset ja muut asiaankuuluvat määräykset.

FOR USE IN



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## WEEE Directive & Product Disposal



At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.

## Declaration of Conformity

We, Edimax Technology Co., Ltd., declare under our sole responsibility, that the equipment described below complies with the requirements of the European R&TTE directive 1999/5/EC.

**Equipment:** N300 Universal Wi-Fi Extender  
**Model No.:** EW-7438RPn

The following European standards for essential requirements have been followed:

**Spectrum:** ETSI EN 300 328 V1.7.1 (2006-10)  
**EMC:** EN 301 489-1 V1.8.1 (2008-04);  
EN 301 489-17 V2.1.1 (2009-05)  
**EMF:** EN 50385:2002  
**Safety (LVD):** IEC 60950-1:2005 (2nd Edition);  
EN-60950-1:2006+A11:2009

Edimax Technology Co., Ltd.  
No. 3, Wu Chuan 3<sup>rd</sup> Road,  
Wu-Ku Industrial Park,  
New Taipei City, Taiwan



Date of Signature: November 15, 2011

Signature:

A handwritten signature in black ink, appearing to read 'Albert Chang', written over a horizontal line.

Printed Name:

Albert Chang

Title:

Director

Edimax Technology Co., Ltd.



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**Edimax Technology Europe B.V.**  
Nijverheidsweg 25 5683 CJ Best  
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**Edimax Computer Company**  
3350 Scott Blvd., Bldg.15 Santa Clara,  
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